

Title (en)

SOLID OXIDE FUEL CELL BUNDLES WITH FLEXIBLE POWER TRANSMISSION SYSTEM

Title (de)

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Title (fr)

FAISCEAUX DE PILES À COMBUSTIBLE À OXYDE SOLIDE AYANT UN SYSTÈME DE TRANSMISSION DE PUISSANCE FLEXIBLE

Publication

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Application

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Abstract (en)

[origin: WO2014145795A2] A fuel cell assembly of one or more fuel cell bundles, wherein each fuel cell bundle comprises an array of elongated tubular fuel cells, comprising: an oxidant supply system; a fuel supply system; a fuel reformation system; and a support structure for integrating as a bundle said elongated tubular fuel cells, said oxidant supply system, said fuel supply system, and said fuel reformation system; a first row of spaced apart, elongated tubular fuel cells; wherein said support structure comprises: a base plate; a plurality of upper insulation end pieces (UIEPs) surrounding a top of the fuel cell assembly to produce a top assembly, wherein each upper insulation end piece has a top surface, a side portion and a beveled portion disposed between the top surface and the side portion to produce a beveled shoulder around the top assembly; a top clamp having a beveled inner surface complementary to the beveled shoulder that interfaces against a plurality of pivot pads disposed on the beveled shoulder when the top clamp is tensioned against the top assembly.

IPC 8 full level

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